

## Closed Topic Search

Enter terms  
Search

[Reset](#) Sort By: Close Date (descending)

- [Relevancy \(descending\)](#)
- [Title \(ascending\)](#)
- [Open Date \(descending\)](#)
- [Close Date \(ascending\)](#)
- [Release Date \(descending\)](#)

NOTE: The Solicitations and topics listed on this site are copies from the various SBIR agency solicitations and are not necessarily the latest and most up-to-date. For this reason, you should visit the respective agency SBIR sites to read the official version of the solicitations and download the appropriate forms and rules.

Displaying 1 - 10 of 374 results

## Closed Topic Search

Published on SBIR.gov (<https://www.sbir.gov>)

---

### [1. A152-090: Linear Inflow Model Synthesis for Advanced Rotorcraft Configurations](#)

Release Date: 04-24-2015 Open Date: 05-22-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

Current linear rotorcraft flight dynamics models are dependent on finite-state inflow theory based on potential flow modeling at the rotor plane [1]. These inflow models have few parameters and are readily available in linear state-space form, making them easy to implement in flight dynamic models for stability assessment and control system design studies. These types of models have been developed ...

SBIR Army Department of Defense

### [2. A152-091: Innovative Motion Measurement Package \(M2P\) for Guided and Un-Guided Munitions](#)

Release Date: 04-24-2015 Open Date: 05-22-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

Performance of future munitions are dependent upon the accurate estimation of the airframe's angular motion, acceleration about each axis, velocity and roll position relative to up. The M2P will reside within the munition airframe and measure actual projectile/airframe properties, which can be used by the munitions guidance package and/or fuzing system. The M2P technology can utilize conventiona ...

SBIR Army Department of Defense

### [3. DHP15B-001: Conversion to Universal Plasma](#)

Release Date: 04-24-2015 Open Date: 05-26-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

Demand for plasma-based therapies continues to rise. In the US alone, there were ~29 million donations of plasma in 2013<sup>1</sup>. Plasma-based therapies are also in high demand in the military. Warfighters with combat casualties often require massive plasma transfusions for trauma, shock, burn injury, and emergency surgery. Today, only Type AB blood donors, who account for only 4% of the overall donor po ...

STTR Defense Health Program Department of Defense

### [4. A152-092: Enhanced Analysis for Pulsed Voltammetry Evaluation Tool / System for Improved Power Systems](#)

Release Date: 04-24-2015 Open Date: 05-22-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

In order to develop new high-performance batteries, fuel cells, and sensors, the electrochemical behavior of materials and devices need to be quantitatively assessed. This assessment (models and systems characterization) will help identify the performance of electrochemical systems leading to the development of significantly improved power sources. New electrochemical analysis tools will enable be ...

SBIR Army Department of Defense

**5. [A152-093: Techniques for Wire Recognition using mmW](#)**

Release Date: 04-24-2015 Open Date: 05-22-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

Rotorcraft landing and takeoff is dangerous in environments where obstacles, particularly wires or power lines exist, and pilot vision is degraded by obscurants such as dust, smoke, fog, rain and snow. This SBIR would focus on a radar solution to detecting wires and power cables when landing in a visually degraded environment. Existing data for wires and power lines with millimeter wave radars pro ...

SBIR Army Department of Defense

**6. [DHP15B-002: Laser and Lightwave Therapies for Wound Healing Application](#)**

Release Date: 04-24-2015 Open Date: 05-26-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

Since 8 December 2007, the war in the Middle East has seen over 30,000 soldiers injured in combat with the majority of these injuries occurring the last few years [1]. Despite the type of the injury, the majority of the wounded have suffered some degree of soft tissue injury which needs to be addressed. Since these soldiers endure harsh conditions and their wounds are much more likely to become in ...

STTR Defense Health Program Department of Defense

**7. [A152-095: Avian Vision Processing](#)**

Release Date: 04-24-2015 Open Date: 05-22-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

Birds of prey, also known as raptors, are birds that hunt or feed on other animals. They are characterized by keen vision that allows them to detect prey during flight. Since vision is the most important sense for birds, and good eyesight is essential for safe flight, this group has a number of adaptations which give visual acuity superior to that of other vertebrate groups. The objective of this ...

SBIR Army Department of Defense

**8. [A152-096: Advanced Coordinated Control, Formation Flying for Nano-Satellite Applications](#)**

Release Date: 04-24-2015 Open Date: 05-22-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

The focus and priority of this topic is seeking innovative space-based remote sensor capabilities supporting all-weather, day-night imaging capability. Preliminary research assessments highlight the availability of next generation device/component technologies and outline novel approaches for creating flotillas, swarms, and/or formations of nano-satellites with multi-faceted functions and sensor c ...

SBIR Army Department of Defense

**9. [A152-097: Underbody Blast, Crash and Rollover Interior Impact Injury Prevention Technologies](#)**

Release Date: 04-24-2015 Open Date: 05-22-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

Non-traditional interior roof military vehicle impact injury prevention technologies address the challenge to provide warfighter survivability, allowing them to complete their mission, by preventing impact related injuries such as skull fractures and neck injuries, otherwise incurred during underbody blast, crash and rollover events. The solution accounts for the full range of occupants to include ...

SBIR Army Department of Defense

**10. [A152-098: Variable Energy Ignition System for Heavy Fuel Rotary Engine](#)**

Release Date: 04-24-2015 Open Date: 05-22-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

There currently is a shortcoming for heavy fuel engines that have a rated power below 100 BHP that are compatible with both JP-8 and DF-2, have high power to weight and power to volume density, provide good fuel consumption characteristics, and operate over extreme climatic ranges ranging from below -25 F to 125 F ambient. One developing technology that could potentially fit this niche market are ...

SBIR Army Department of Defense

- [1](#)
- [2](#)
- [3](#)
- [4](#)
- [5](#)
- [6](#)
- [7](#)
- [8](#)
- [9](#)
- ...
- [Next](#)
- [Last](#)

```
jQuery(document).ready( function() { (function ($) { $('#edit-keys').attr("placeholder", 'Search Keywords'); $('span.ext').hide(); })(jQuery); });
```